

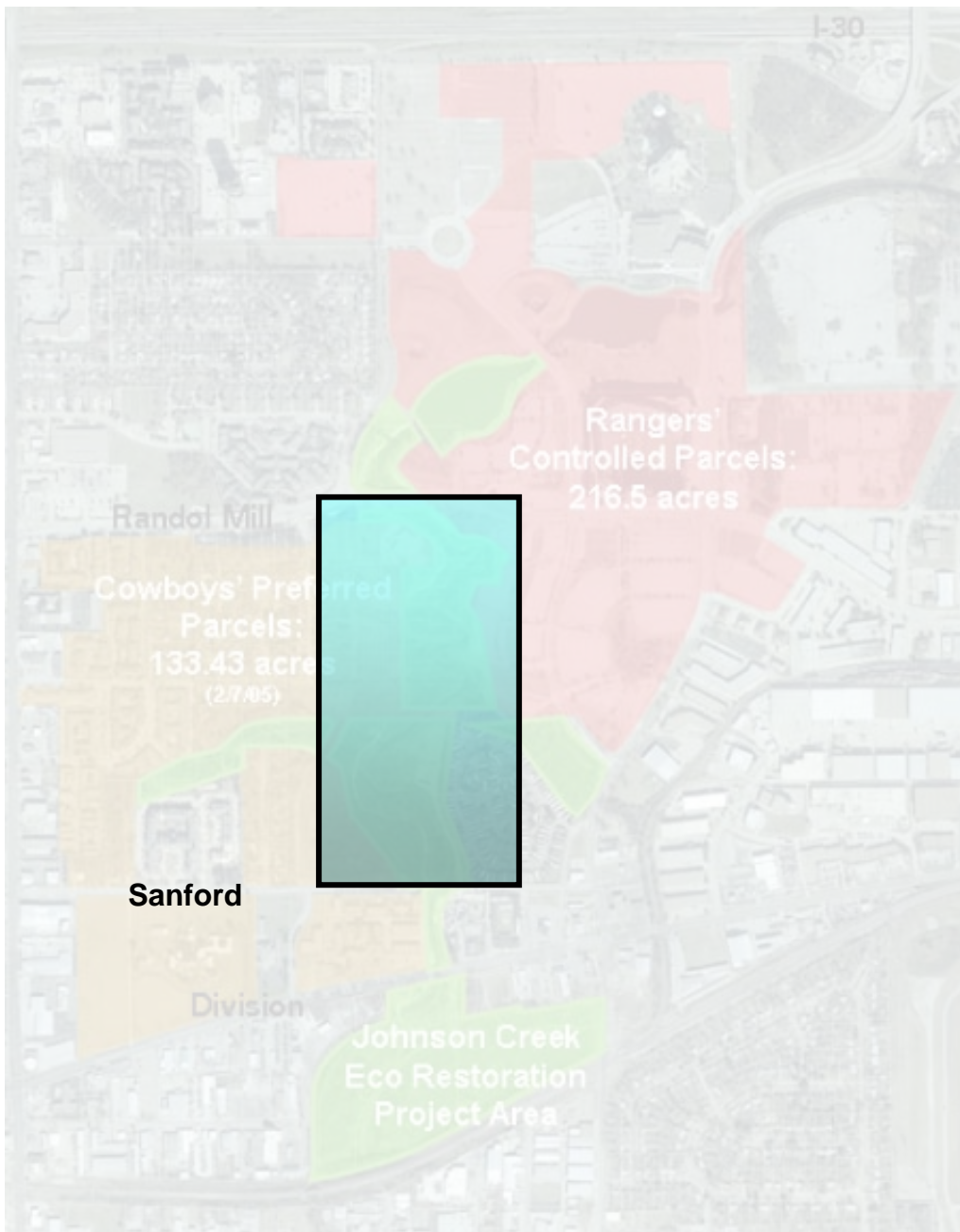
Phase 1A

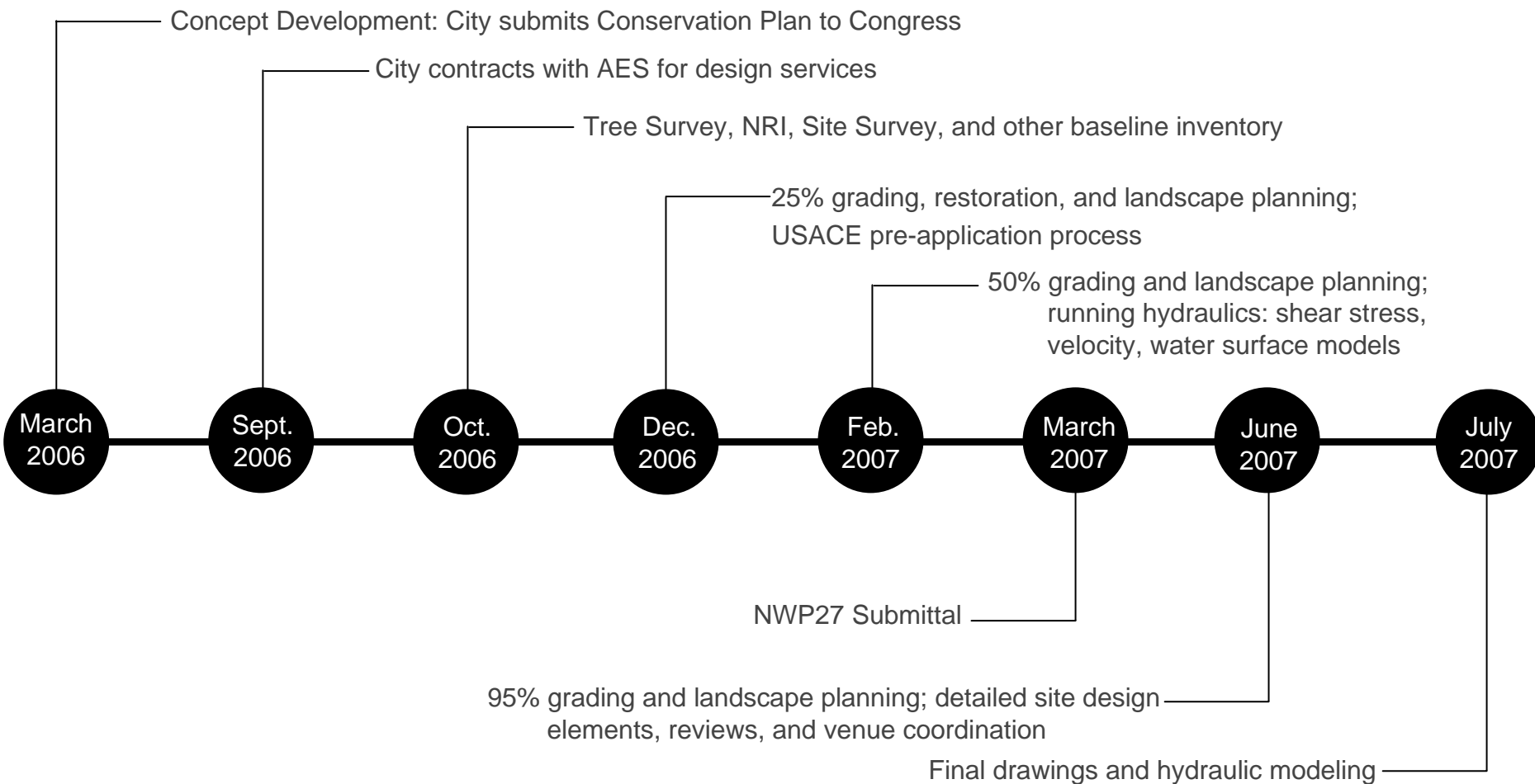
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# Johnson Creek Restoration Plan

July 2007





### Key non-technical elements:

- Stakeholder meetings
- Pre-application coordination
- Venue coordination

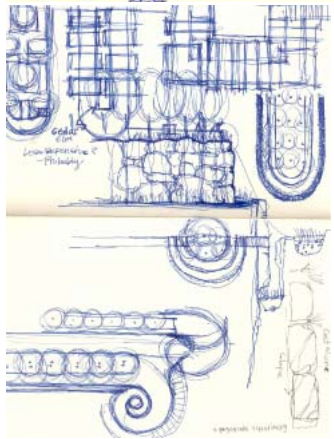
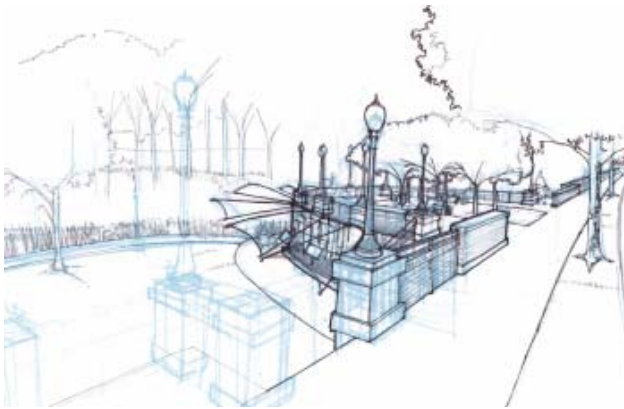
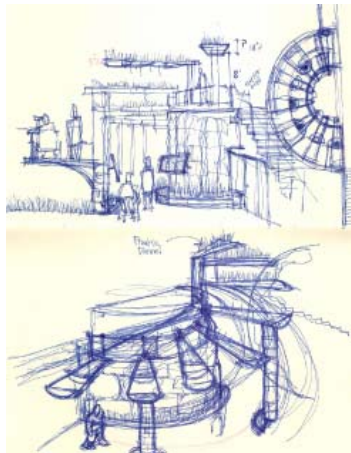


November 2006



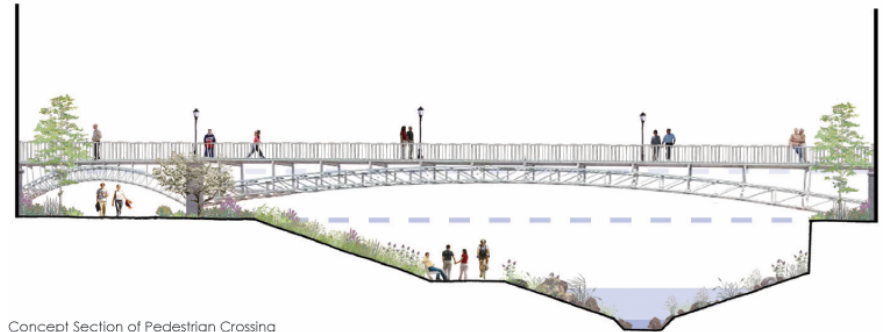
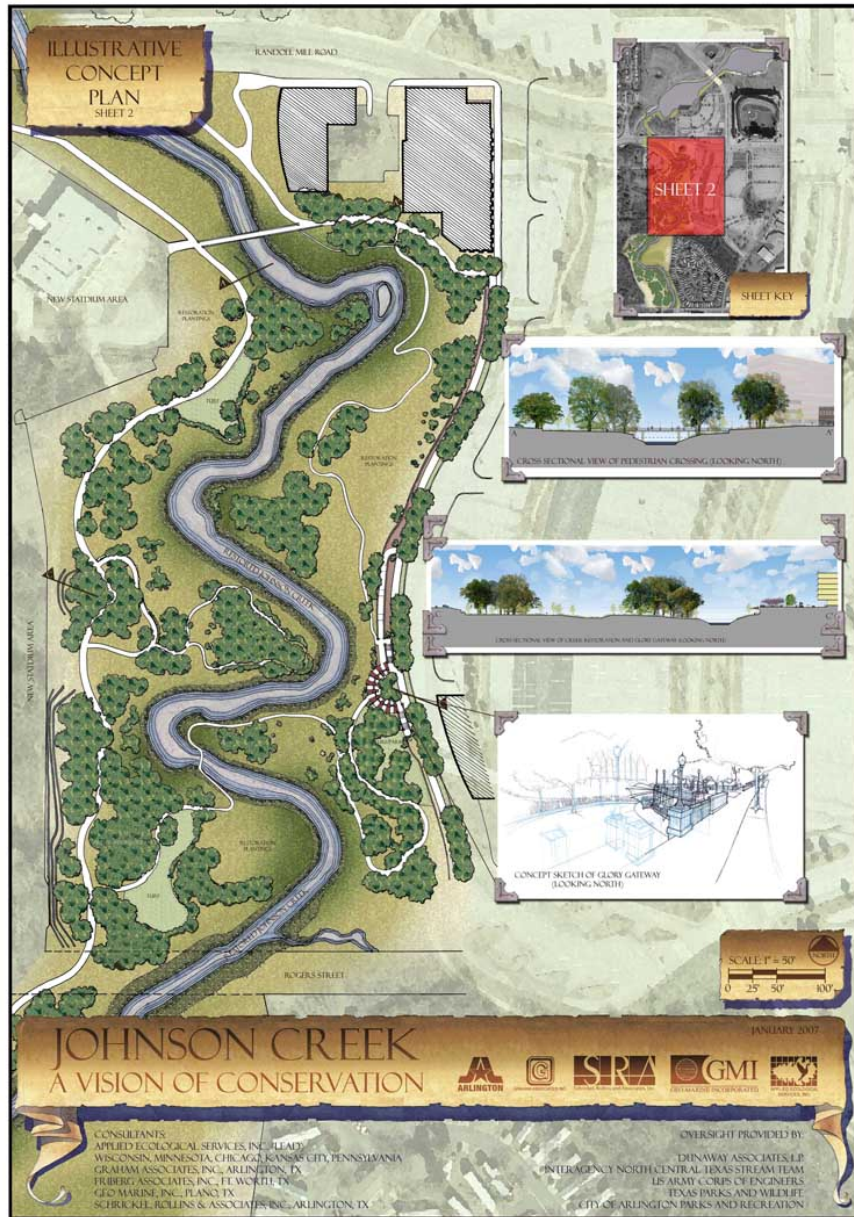
January 2007

- Context
- Tree Preservation
- Physical
- Minimize Armoring
- Irrigation
- Parks and Trails
- Funding
- Permitting
- Maintenance



January 2007

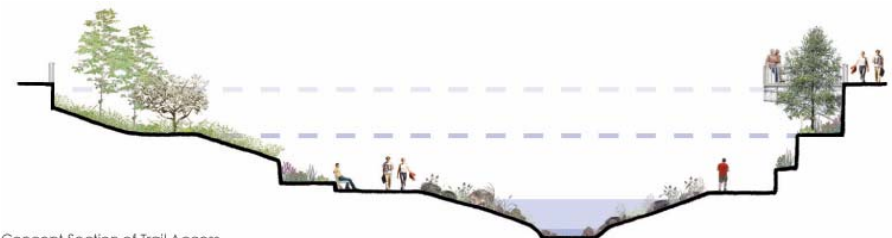




Concept Section of Pedestrian Crossing



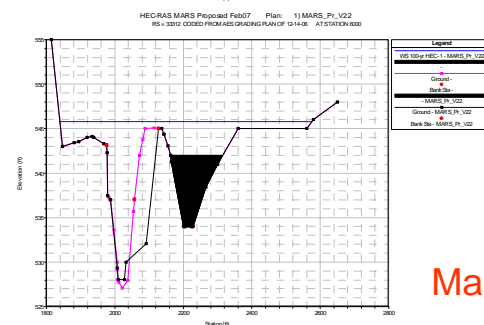
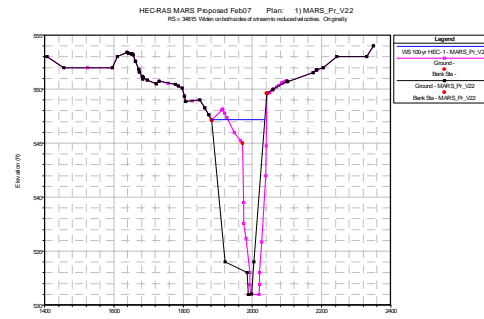
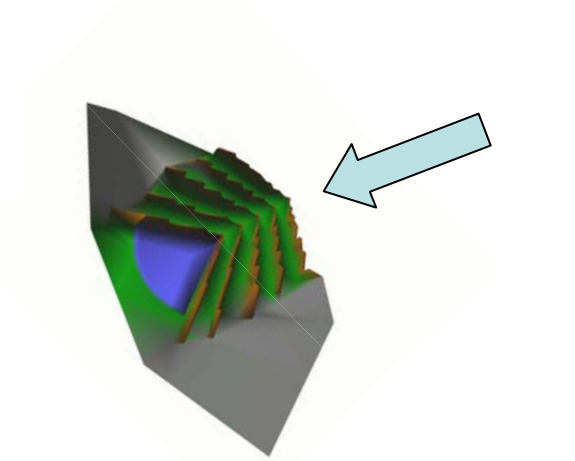
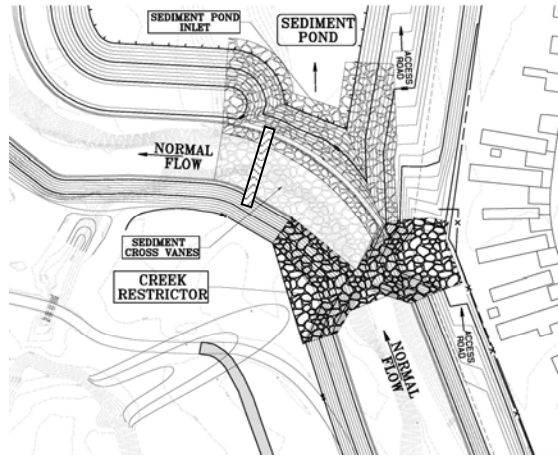
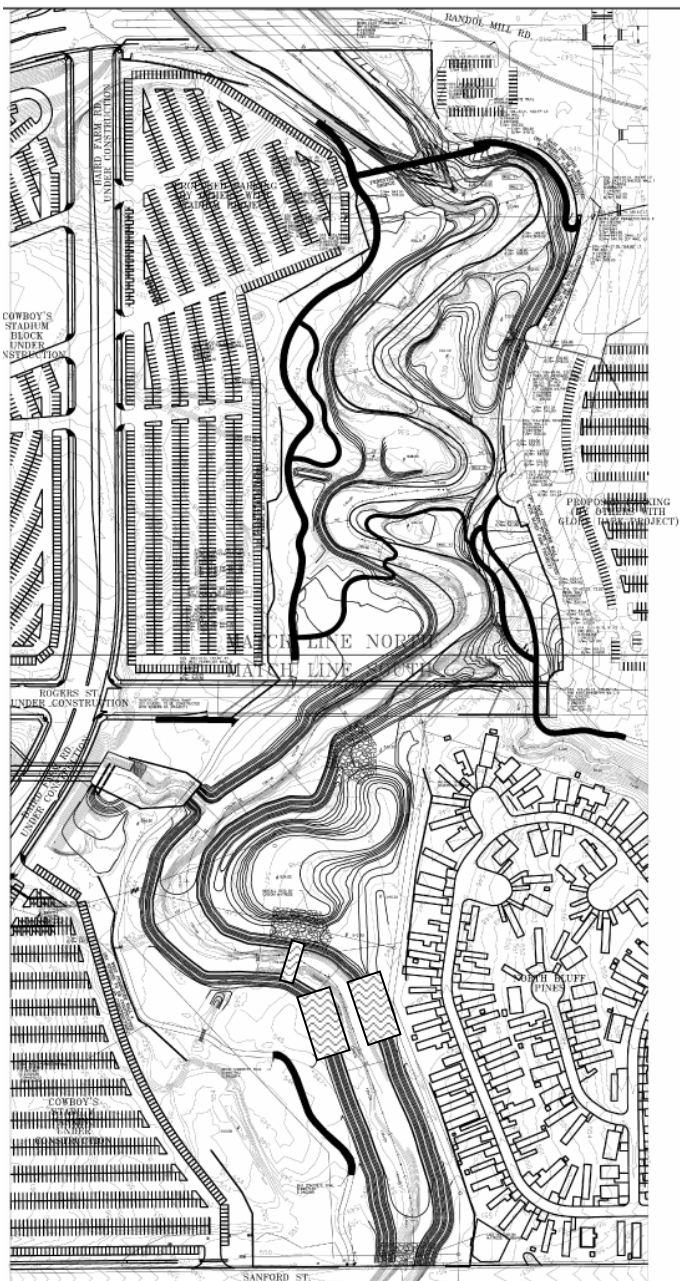
Concept Section of Restored Floodplain Forest



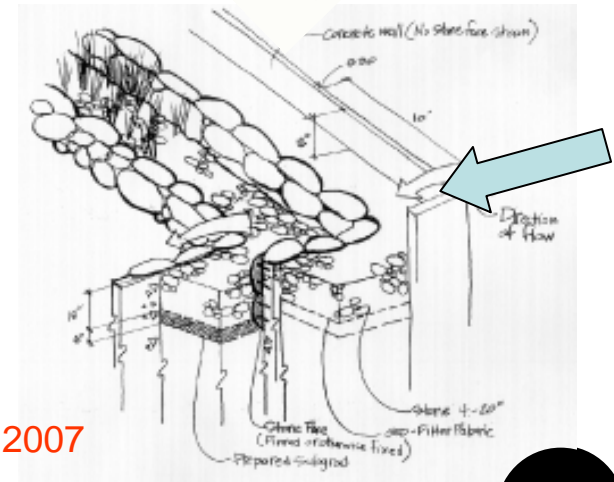
Concept Section of Trail Access



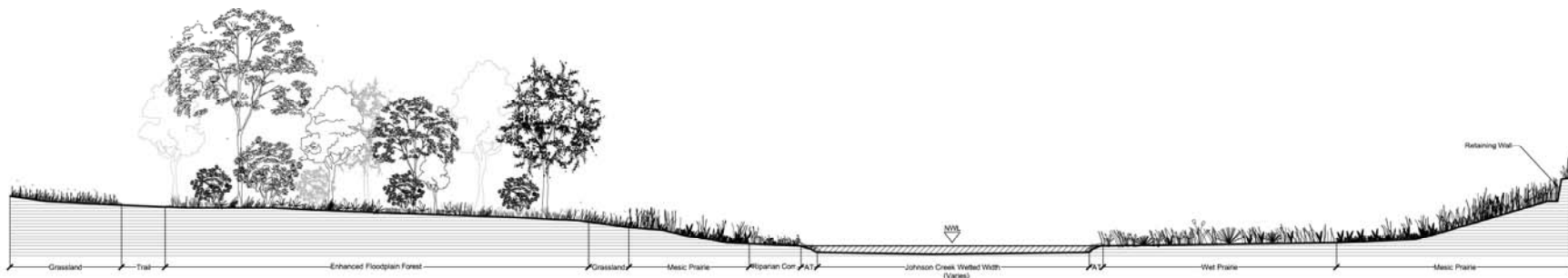




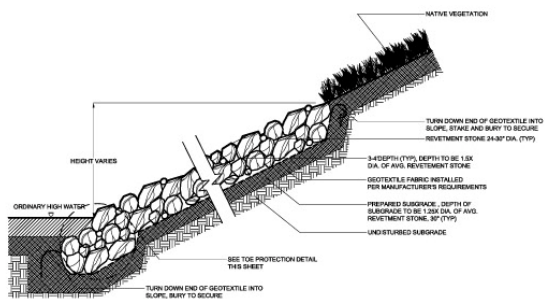
March 2007



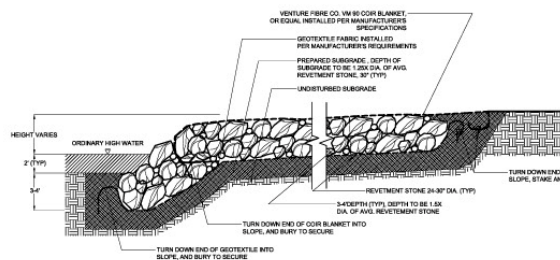




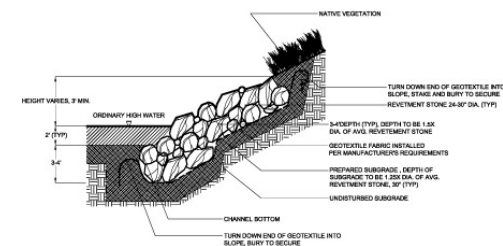
## SECTION AA



St-1  
XX  
STONE REVETMENT DETAIL  
Scale: NTS



St-3  
XX  
COIR BLANKET DETAIL  
Scale: NTS

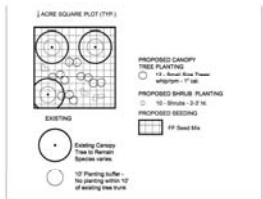
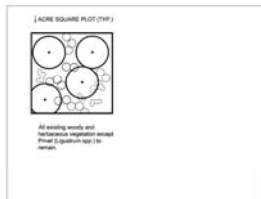
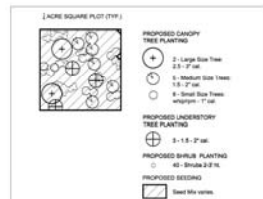
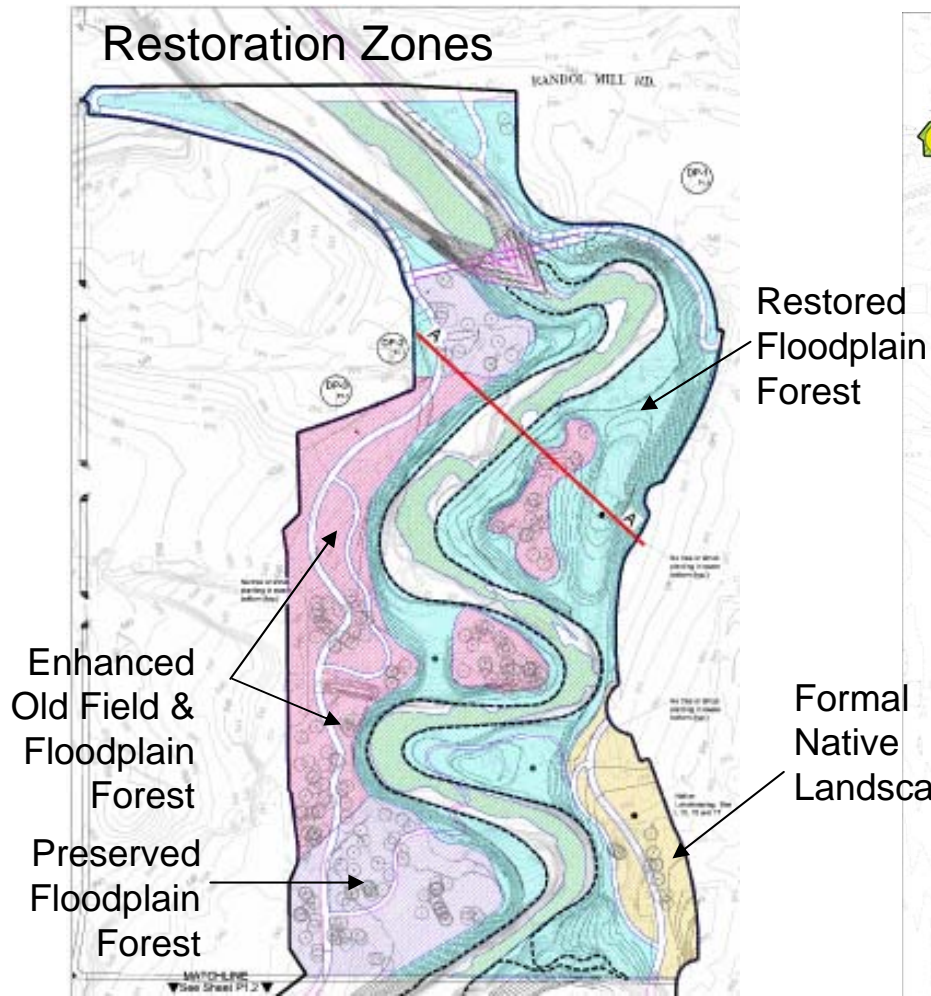


St-2  
XX  
TOE PROTECTION DETAIL  
Scale: NTS

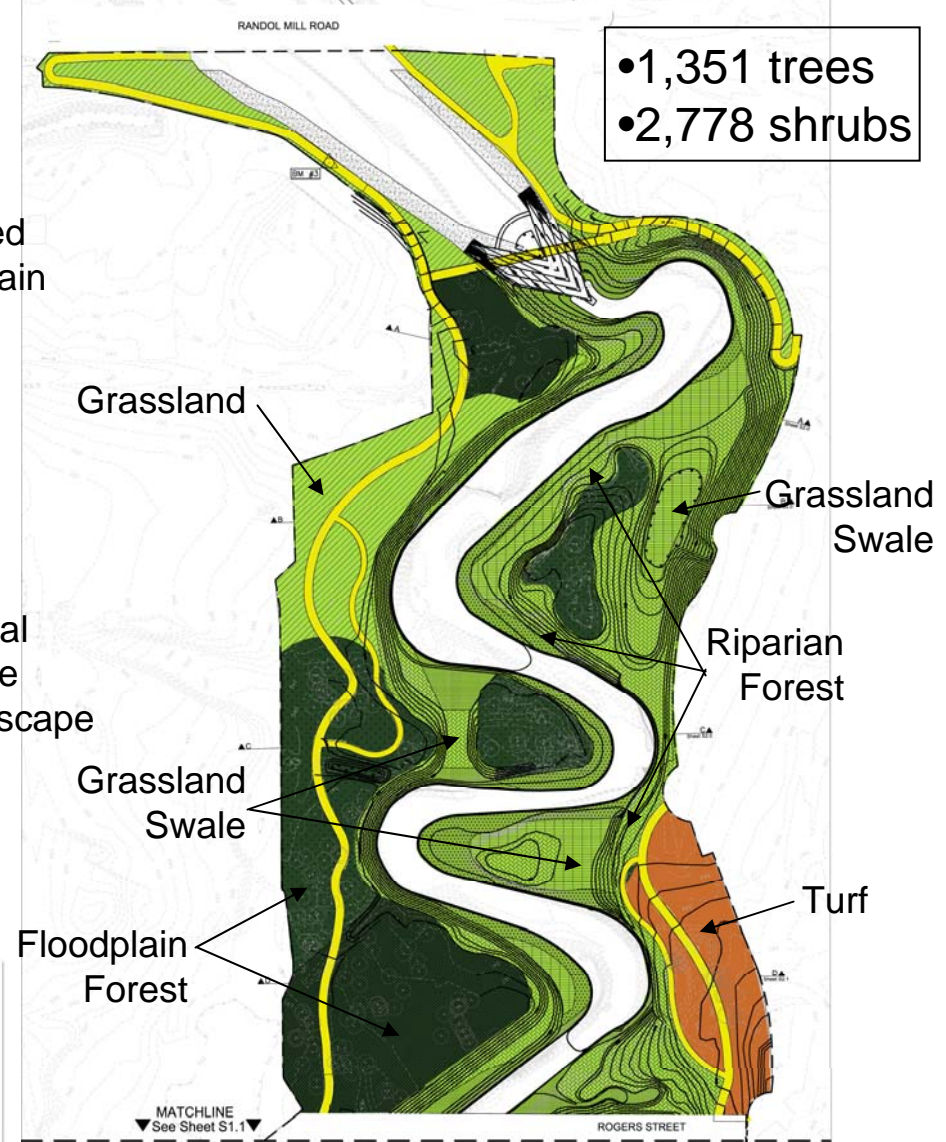
June 2007



## Restoration Zones

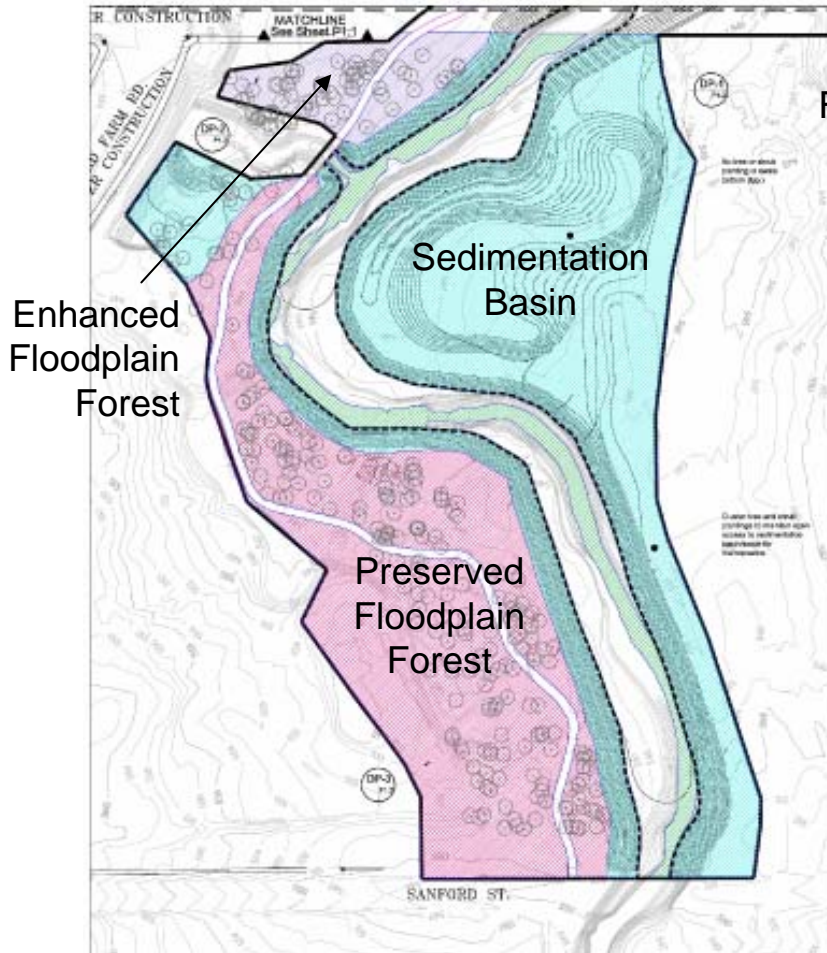


## Plant Communities – Woody & Herbaceous

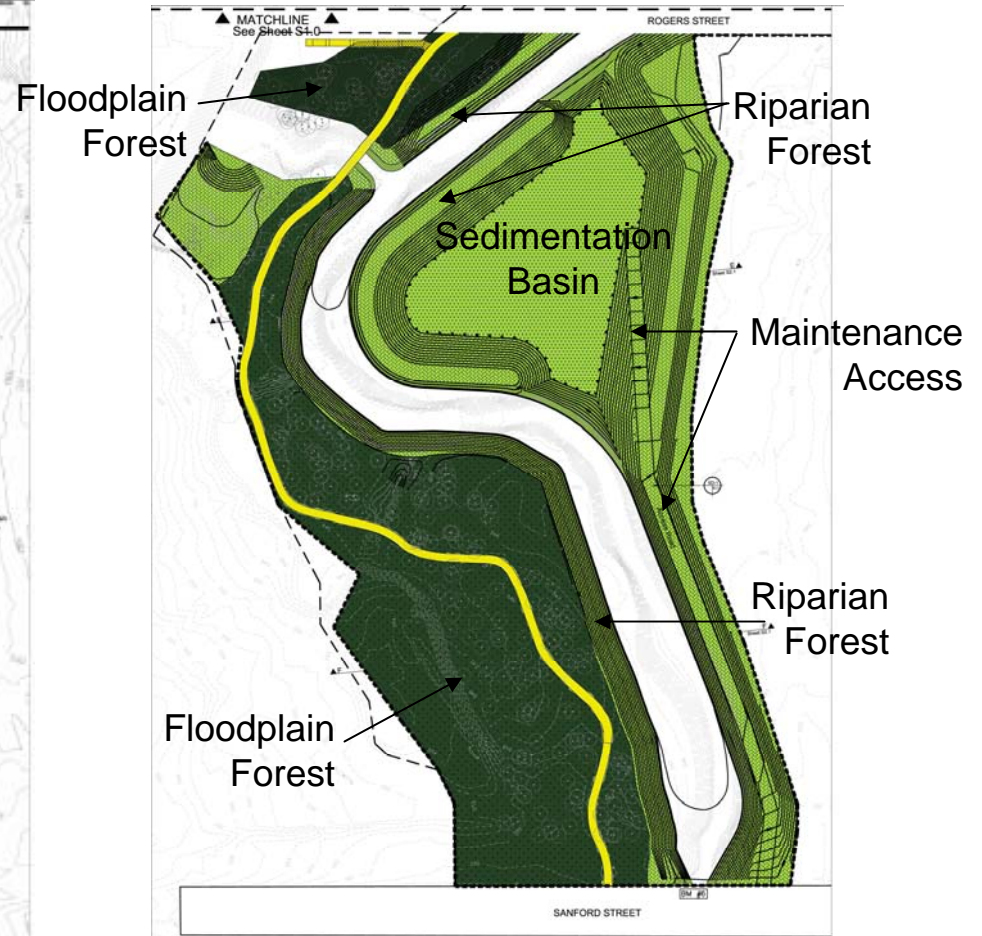




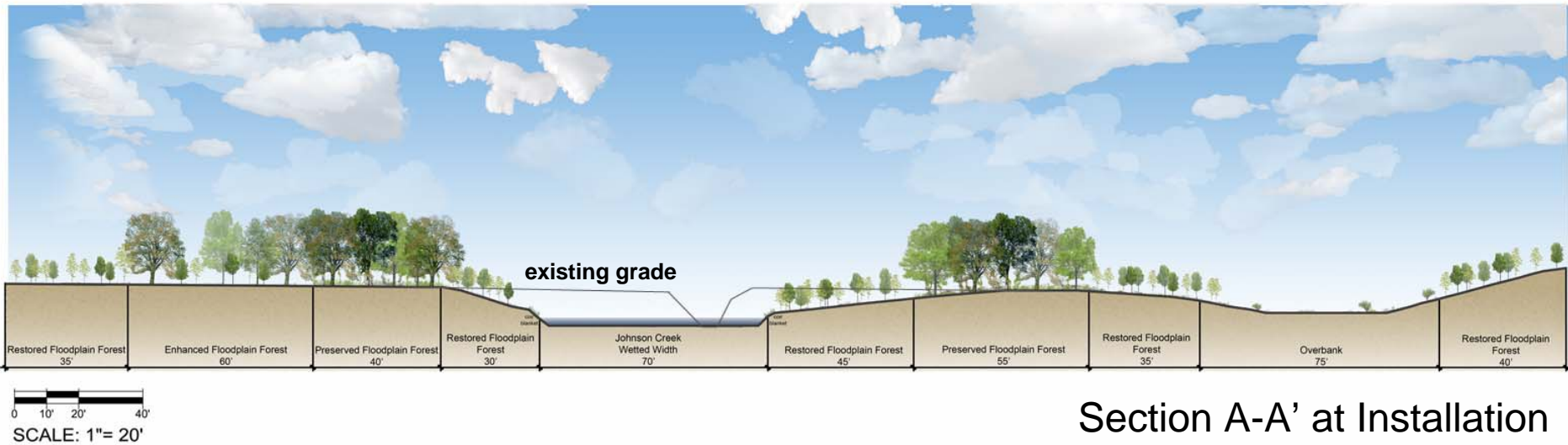
## Restoration Zones



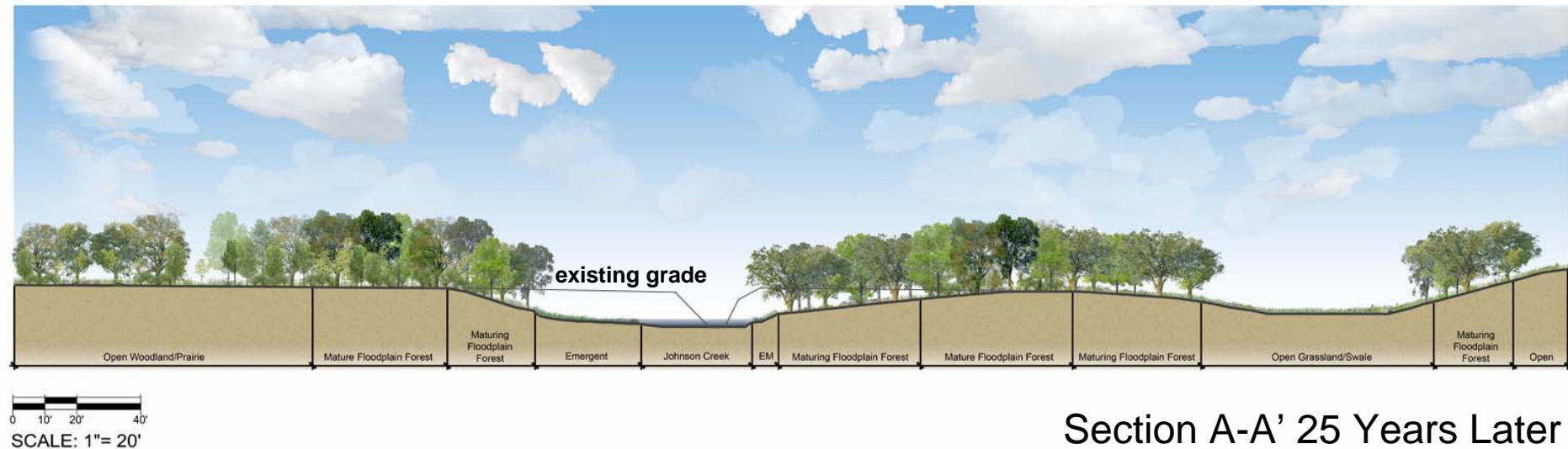
## Plant Communities – Woody & Herbaceous





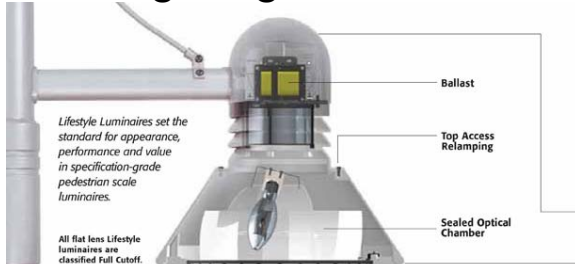


Section A-A' at Installation



Section A-A' 25 Years Later

# Trail Lighting



## Appearance

The Greenlee Lifestyle Series allows you to create attractive, pedestrian scale luminaires from a palette of standard, modular components with an appearance that is second to none.

The operative word is **modular**.

Custom creations have never been easier. Using a variety of interchangeable, modular components, you can construct hundreds of looks that meet virtually any design application. Choose the Crown, Shade, Size, Mount, Color, Accents and Optics that are right for your project and write the specification. The possibilities are endless: simply mix, match and stand back to marvel at your custom creation.

## Specification Grade Performance

The striking architectural appeal of this imaginative family of fixtures is matched only by its optical performance – the same superior performance you've come to expect from all LSI Greenlee luminaires. Select any of the four available distributions and you can be confident that illumination will be precisely positioned on your project.

Lifestyle's Specification Grade Performance is reflected in more than just optics. Solid steel, quality materials and robust component design are as apparent as its good looks. Castings and extrusions are used to produce precise and durable detailing. Tight fit and rigid construction ensure clean component attachment and tight sealing against contamination.

## On Time – Within Budget

The Greenlee Lifestyle Series offers you unprecedented value – superior performance, quality construction and attractive appearance – at an affordable price and with dependable delivery dates.

Lifestyle Series luminaires are the answer for all your time-critical projects. The flexibility of modular components not only gives you creative control, it speeds production, too. This modularity eliminates the long lead times typically associated with specification grade and custom fixtures.



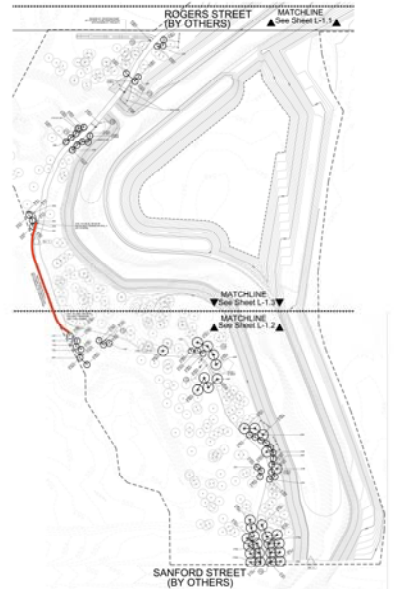
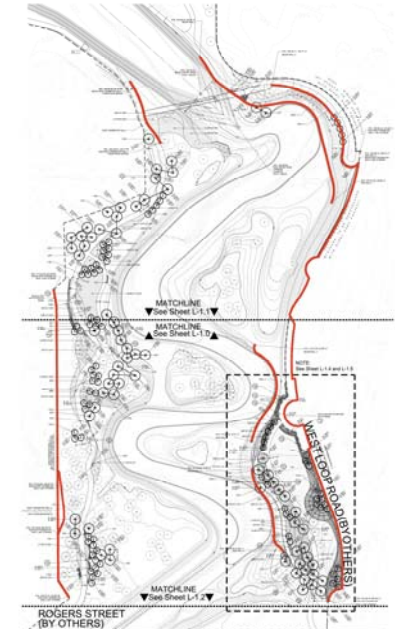
Series	Diameter	Item	Mount Type	Pole Material	Height	Mounting Configuration	Color	Pole Accessories
LS - Lifestyle Series	4'-4"	RP - Round Street Pole	RP - Bolt-In Top SA - Side Arm Brackets	S10G	10'	S - Single	MSV - Metallic Silver	GR - GFCI
			P - Post Top for SF Pole Top Brackets		12'	T - Telescoping	BLK - Black	SH - Single Headlight
			SF - Side Mount (if pole only for use with)		14'	T100 - Taper	BLK - Black	WH - Weather Headlight
			SC - Coiled Crown Brackets		16'	CO - Coiled	BLF - Bluff	WH - Weather Headlight
			SC - Straight Crown Brackets		18'	CO - Coiled	BLF - Bluff	WH - Weather Headlight
	5'-5"	RP - Round Street Pole	RP - Bolt-In Top SA - Side Arm Brackets	S10G	10'	S - Single	MSV - Metallic Silver	GR - GFCI
			P - Post Top for SF Pole Top Brackets		12'	T - Telescoping	BLK - Black	SH - Single Headlight
			SF - Side Mount (if pole only for use with)		14'	T100 - Taper	BLK - Black	WH - Weather Headlight
			SC - Coiled Crown Brackets		16'	CO - Coiled	BLF - Bluff	WH - Weather Headlight
			SC - Straight Crown Brackets		18'	CO - Coiled	BLF - Bluff	WH - Weather Headlight
LS 4 RP SF S10G 10' S MSV WPR								

## Fixture Mounting Height Chart

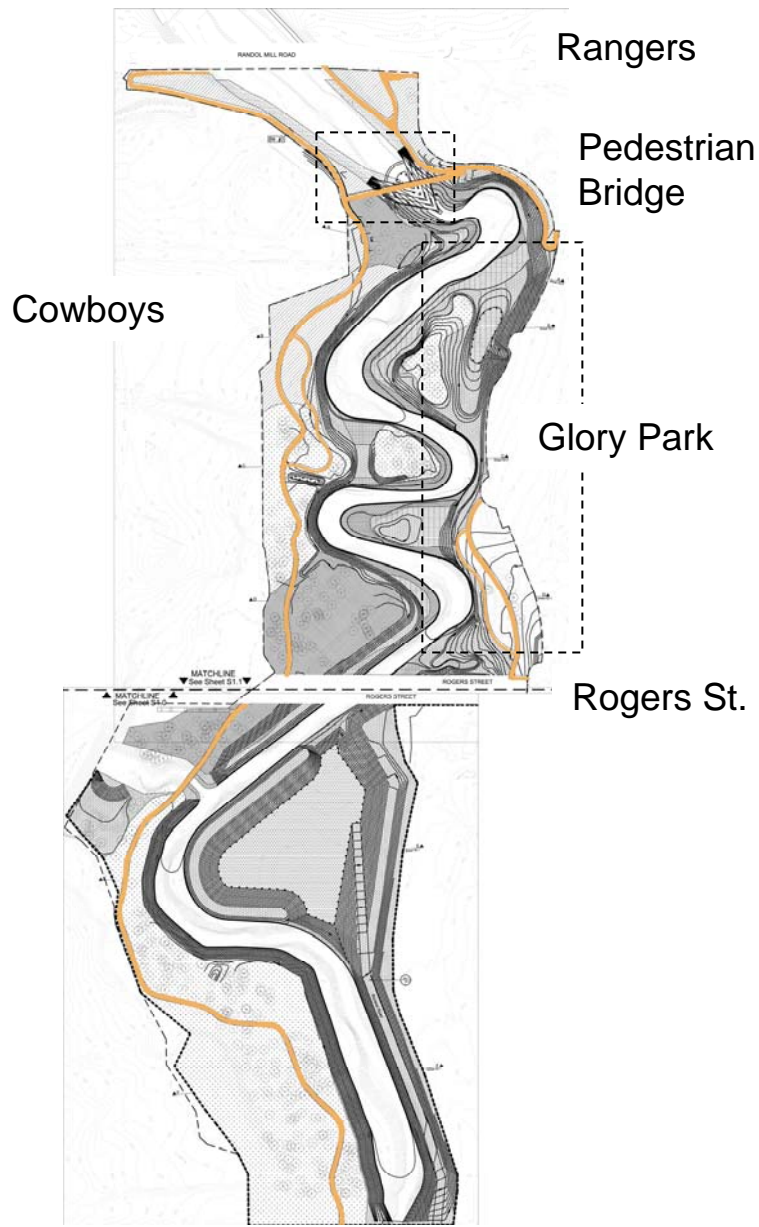
Pole Ht.	FIXTURE HEIGHT FROM BOTTOM OF BASE PLATE BY ARM TYPE							
	CH				CA			
	LS	LM	LS	LM	LS	LM	LS	LM
12'	10' 8 1/4"	10' 10 3/4"	11' 7 1/2"	11' 5 1/4"	11' 10"	11' 5 3/4"	12' 10"	12' 5 1/2"
14'	12' 8 1/4"	12' 10 3/4"	13' 7 1/2"	13' 5 1/4"	13' 10"	13' 5 3/4"	14' 10"	14' 5 1/2"
16'	14' 8 1/4"	14' 10 3/4"	15' 7 1/2"	15' 5 1/4"	15' 10"	15' 5 3/4"	16' 10"	16' 5 1/2"
18'	16' 8 1/4"	16' 10 3/4"	17' 7 1/2"	17' 5 1/4"	17' 10"	17' 5 3/4"	18' 10"	18' 5 1/2"
20'	18' 8 1/4"	18' 10 3/4"	19' 7 1/2"	19' 5 1/4"	19' 10"	19' 5 3/4"	20' 10"	20' 5 1/2"
24'	22' 8 1/4"	22' 10 3/4"	23' 7 1/2"	23' 5 1/4"	23' 10"	23' 5 3/4"	24' 10"	24' 5 1/2"

DEDUCT 1'-10" TO LS FOR CONTIGUOUS LENS  
DEDUCT 2'-10" LM FOR CONTIGUOUS LENS

# Redi-Rock Walls

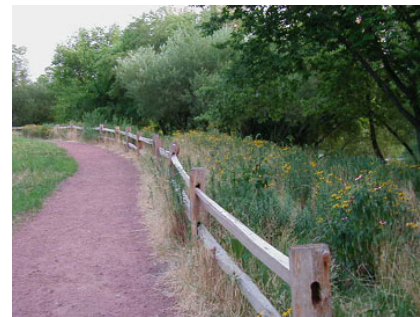






## RECREATION TRAIL

- Re-establishes Johnson Creek linear trail
- Adds additional trail spurs to river edge for passive recreation
- Path suitable for bicycles and pedestrians
- Creates pedestrian connection between Rangers and Cowboys stadiums





## Pedestrian Bridge Location

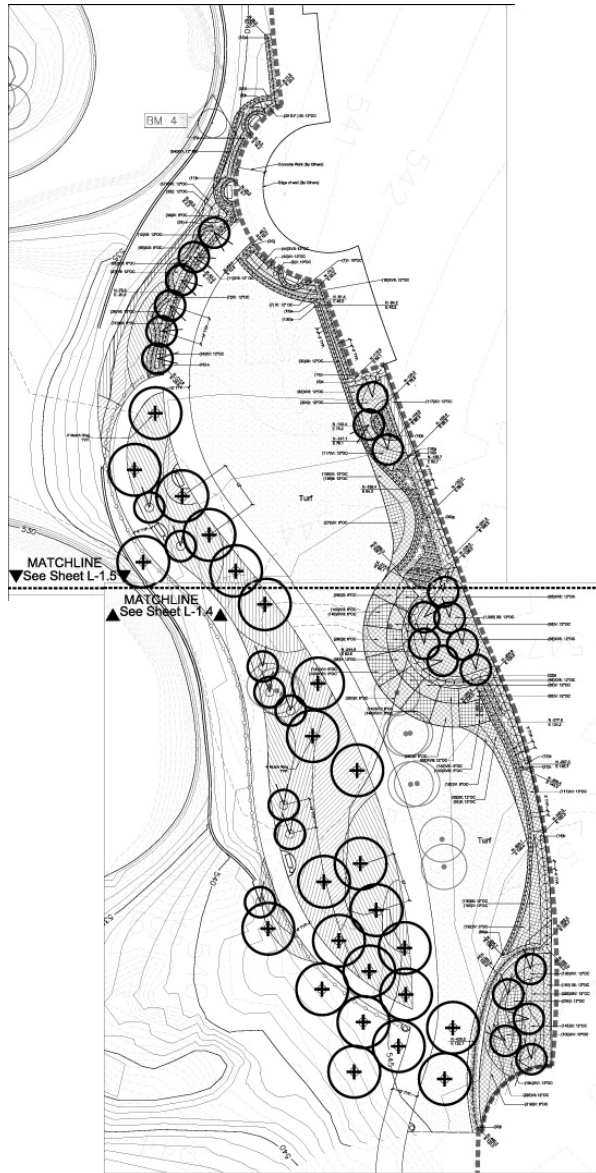


Bridge was sited:

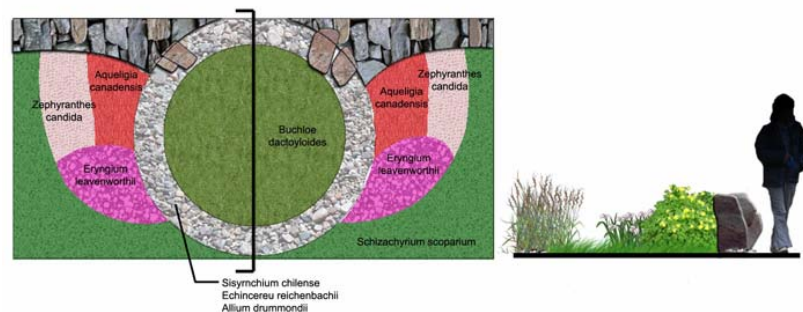
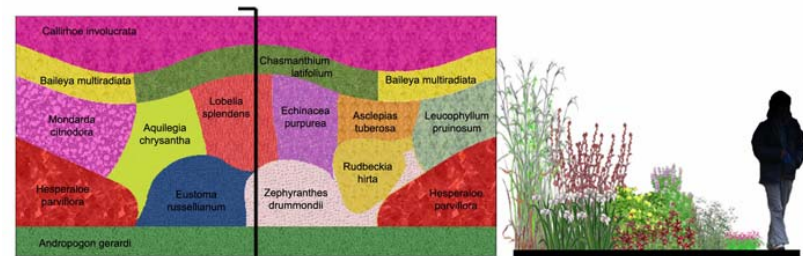
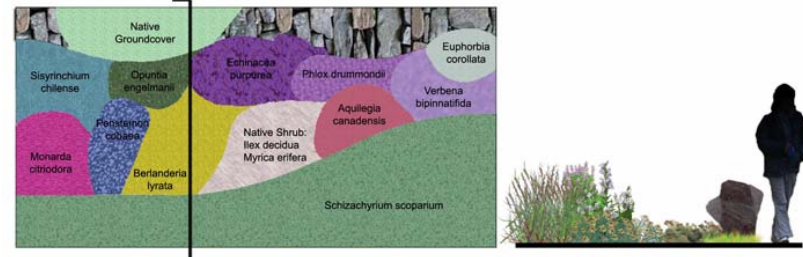
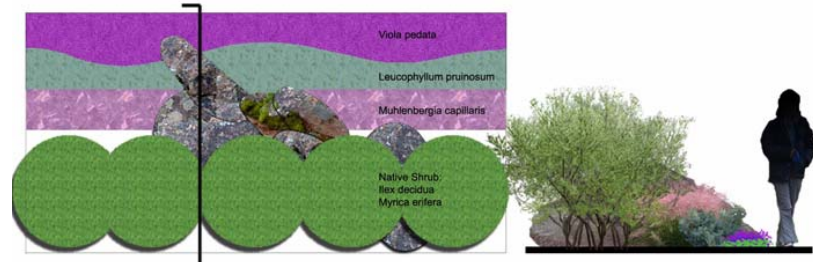
- To minimize impacts to existing trees
- Withstand flooding impacts
- Minimize construction footprint
- Maximize pedestrian flow and safety
- Contribute to trail connectivity across the site



# Formal Native Landscaping



# Plant Palette Development



# PERMITTING

- March 2007: Nationwide 27 Permit submitted
- Currently under review
- Most critical element is establishing that the project qualifies as restoration and enhancement
- October 2007 approval is possible following USACE approval of Cowboys stadium hydraulics in next two weeks
- FEMA approval anticipated any day





## BIDDING SCHEDULE

- Early August 2007 release of Request for Proposal (RFP) to qualified bidders
- Bidders anticipated to be general contractors teamed with specialized subcontractors
- Parks & Recreation Department to recommend the best qualified bidder
- City Council approval of selected bidder

## CONSTRUCTION SCHEDULE

- October 2007 is optimal; start dependent upon permitting approval

# Questions

Lead Consultant:

**Applied Ecological Services, Inc.**

Wisconsin, Minnesota, Chicago, Kansas City,  
New Jersey, Philadelphia

Consultants:

**Graham Associates, Inc.**, Arlington, TX

**Friberg Associates, Inc.**, Ft. Worth, TX

**Geo Marine, Inc.**, Plano, TX

**Schricket, Rollins & Associates, Inc.**, Arlington, TX

**MARS**, Madison, WI

QA/QC:

**Dunaway Associates, L.P.**

**US Army Corps of Engineers**

**Texas Parks and Wildlife**

**City of Arlington Parks and Recreation**

